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**ORGANIZATIONAL
CHARACTERISTICS
OF GRAIN·CATTLE·HOG
FARMS IN THE
PRAIRIE PROVINCES
1956 · 1965**

T.F. Joyce

**ECONOMICS BRANCH
CANADA DEPARTMENT OF AGRICULTURE
REGINA, SASKATCHEWAN**

Preface

The source of the data showing the organizational characteristics of Grain-Cattle-Hog farms in the Prairie Provinces, 1956 to 1965, is a series of studies entitled "Changes in Farm Organization". These studies were conducted by the Economics Branch at its offices in Winnipeg, Saskatoon and Edmonton.

Should further information be desired in respect to any particular study, it may be obtained from the Prairie Economics Research Centre, Economics Branch, Canada Department of Agriculture, Tower, Regina, Saskatchewan. Complete reports of some studies are still available for distribution.

Two companion studies, "Organizational Characteristics of Grain Farms in the Prairie Provinces, 1956-1965", and "Organizational Characteristics of Grain-Cattle Farms in the Prairie Provinces, 1956-1965", have been published. Copies may be requested from the Economics Branch.

This publication was prepared by T.F. Joyce. The author wishes to acknowledge both the collaboration of M. Ragush and the contribution of other colleagues in the Economics Branch at Regina who assisted in the extraction, compilation and presentation of the summary data.

STATISTICAL CHARACTERISTICS OF GRAIN-CATTLE-HOG FARMS
IN THE PRAIRIE PROVINCES,
1954-1955

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ORGANIZATIONAL CHARACTERISTICS OF GRAIN-CATTLE-HOG FARMS
IN THE PRAIRIE PROVINCES,
1956-1965

SECTION I

INTRODUCTION

Intensive studies of farm organization in the Prairie Provinces during the years from 1956 to 1965 were made by the Economics Branch of the Canada Department of Agriculture. The intent was to provide agricultural officials of the federal and provincial governments, universities, farm organizations, farmers and other interested parties with knowledge of farm organization and input-output relationships at the production level. Data were obtained from groups of farmers who were operating the principal types and sizes of farms and who were located on soils with different grades of productivity in the Brown, Dark Brown and Black Soil Zones. To keep this information up-to-date, the main areas were revisited at intervals of three to five years. In Manitoba the studies included grain, grain-livestock, and livestock farms; in Saskatchewan grain and grain-cattle farms; and in Alberta mixed farms in the Parkland area.

Prior to each study being undertaken, a reconnaissance survey of every farm in the area was usually made. After the main types were determined, off-type farms were eliminated for sampling purposes. Farms were considered off-type for a number of reasons such as the farmer being semi-retired or having income from the sale of purebred stock. Farms with complicated ownership or partnership arrangements were also removed before stratifying and sampling.

If inventoried by soil zone, soil texture, farm type, farm size, area and survey year, 136 studies of farm organization were completed: 48 in Manitoba, 47 in Saskatchewan and 41 in Alberta, an accumulation of considerable magnitude. The purpose of the present project is to make a selection of these studies to show the basic structure and organization of farms for the ten-year period from 1956 to 1965. Fundamental information is also compressed into a more convenient and usable form. Related studies are combined into three groups: grain farms, grain-cattle farms, and grain-cattle-hog farms. The grain farm studies, "Organizational Characteristics of Grain Farms in the Prairie Provinces, 1956-1965", and the grain-cattle farm studies, "Organizational Characteristics of Grain-Cattle Farms in the Prairie Provinces, 1956-1965", have already been published. In this release studies of grain-cattle-hog farms are presented.

In addition to growing grain, chiefly wheat, oats and barley, grain-cattle-hog farms have significant hog and cattle enterprises. There is, of course, a wide variation in the size of the hog operation. For purposes of the present study the minimum average number of hogs per farm was arbitrarily set at 25. The cattle operation varies by type as well as by size. It may be a beef enterprise, a dairy enterprise or a combination of the two. Some dairy cattle are kept on many farms in the Parkland region.

The dairy enterprises in these studies are mostly for cream production but there may be a few fluid milk operations. Beef enterprises are generally the cow-calf operation that is typical on mixed farms with

feeder calves sold in 4 - 5 months. Yearling steers may also be sold at 15 - 17 months or there may be some combination of cow-calf and finishing of farm-produced feeders. Any finishing of purchased feeders is on a small scale.

Table 1 shows the selection of grain-cattle-hog studies by area, soil zone, soil texture, farm size and study year. In the table each study is placed in the same sequence in which its respective operating statement is ordered in Section II.

Although the studies of grain-cattle-hog enterprises in the Black Soil Zone were localized in Manitoba and Alberta, the sample farms may be considered to have representative features for all grain-cattle-hog farms throughout the Black Soil Zone of the Prairie Provinces if due consideration is given to variations in climate, to differences in soil productivity, and to interpolations and extrapolations relative to farm size. This regional representativeness likewise applies to the Grey Wooded Soil Zone although the grain-cattle-hog studies for this Zone were done only in Alberta. Soil zones of the Prairie Provinces are shown on a generalized map (Figure 1).

To simplify presentation and to facilitate comparisons between studies, a standard operating statement in tabular form has been adopted. The figures are group averages which give the organization and operation of the sample farms for the specific crop year. Each statement covers land area and land use; capital invested in real estate, livestock, machinery and equipment; farm receipts; cash expenses and depreciation costs. Net returns to operator and family for labor and capital, to

operator and family labor, and to capital are estimated for the study year and are also calculated for the 1947-66 period based on land use for the survey year and long-term average crop yields.

TABLE 1. SELECTED STUDIES OF GRAIN-CATTLE-HOG FARMS IN THE PRAIRIE PROVINCES BY AREA, SOIL ZONE, SOIL TEXTURE, FARM SIZE AND STUDY YEAR

| Year | Area | Soil Texture | Farm Sizes |
|-------------------------------------|-----------------------|-----------------|-----------------|
| | | | - Total Acres - |
| <u>Manitoba</u> - Black Soil Zone - | | | |
| 1959 | Somerset-Manitou | Clay Loam | 322, 476 |
| 1964 | Somerset-Manitou | Clay Loam | 484, 743 |
| 1961 | Russell-Minnedosa | Clay Loam | 596 |
| <u>Alberta</u> | | | |
| 1957 | Red Deer | Loam | 556 |
| 1958 | Red Deer | Loam | 319 |
| 1961 | Red Deer | Loam | 563 |
| 1962 | Red Deer | Loam | 894 |
| 1957 | Vegreville | Loam | 548 |
| 1958 | Vegreville | Loam | 319 |
| 1961 | Vegreville | Loam | 558 |
| 1963 | Camrose | Loam | 557 |
| 1965 | Stettler 1/ | Loam | 380 |
| 1965 | Crossfield-Calgary 1/ | Loam | 376, 883 |
| 1957 | Barrhead 2/ | Loam | 541 |
| 1960 | Barrhead 2/ | Loam | 160, 315 |
| 1961 | Barrhead 2/ | Loam | 562 |
| - Grey Wooded Soil Zone - | | | |
| 1957 | Rocky Mountain House | Loam | 583 |
| 1961 | Rocky Mountain House | Loam | 562 |

1/ Thin Black Soils.

2/ Degraded Black Soils.

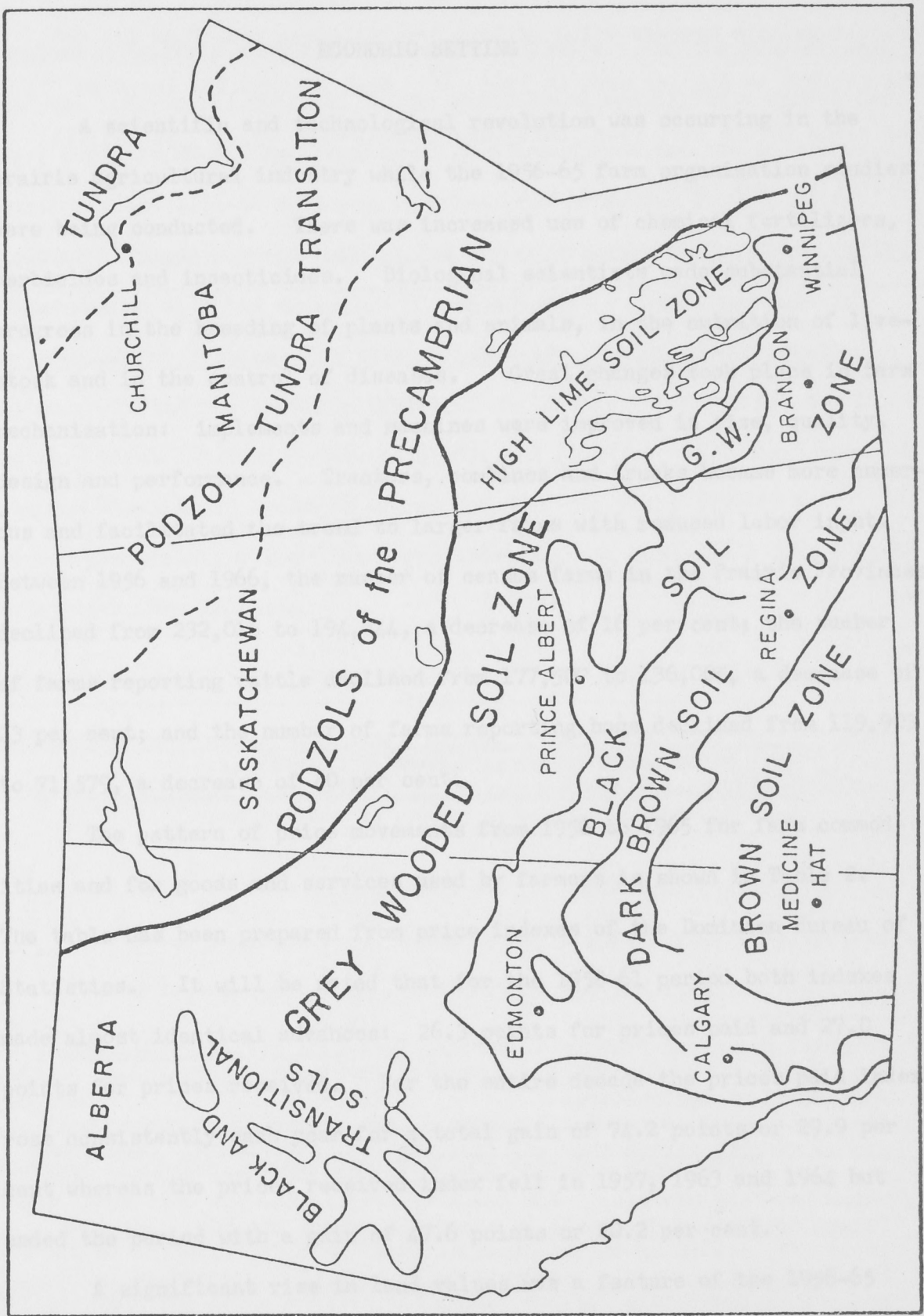


Figure 1 - Generalized Soil Zones of the Prairie Provinces

ECONOMIC SETTING

A scientific and technological revolution was occurring in the prairie agricultural industry while the 1956-65 farm organization studies were being conducted. There was increased use of chemical fertilizers, herbicides and insecticides. Biological scientists made substantial progress in the breeding of plants and animals, in the nutrition of livestock and in the control of diseases. Great changes took place in farm mechanization: implements and machines were improved in size, quality, design and performance. Tractors, combines and trucks became more numerous and facilitated the trend to larger farms with reduced labor input. Between 1956 and 1966, the number of census farms in the Prairie Provinces declined from 232,016 to 194,844, a decrease of 16 per cent; the number of farms reporting cattle declined from 177,507 to 136,005, a decrease of 23 per cent; and the number of farms reporting hogs declined from 119,903 to 71,579, a decrease of 40 per cent.

The pattern of price movements from 1956 to 1965 for farm commodities and for goods and services used by farmers is shown in Table 2. The table has been prepared from price indexes of the Dominion Bureau of Statistics. It will be noted that for the 1958-61 period both indexes made almost identical advances: 26.3 points for prices paid and 27.0 points for prices received. For the entire decade the prices paid index rose consistently each year for a total gain of 74.2 points or 29.9 per cent whereas the prices received index fell in 1957, 1963 and 1964 but ended the period with a gain of 47.6 points or 20.2 per cent.

A significant rise in land values was a feature of the 1956-65 decade. Based on estimates received by the Saskatchewan Department of

Agriculture, the average value of land and buildings rose from \$32 per acre in 1956 to \$66 per acre in 1965. ^{1/} Most of this \$34 increase took place in the last four years when increases of \$3, \$7, \$8 and \$11 occurred in that order.

TABLE 2. INDEXES OF PRICES PAID AND PRICES RECEIVED BY FARMERS, 1956-65

| | Index of Prices Paid By Farmers | Increase or Decrease | Index of Prices Received By Farmers | Increase or Decrease |
|---------------|---------------------------------------|----------------------------|---|----------------------------|
| 1935-39 = 100 | | | | |
| 1956 | 247.6 | | 234.6 | |
| 1957 | 255.9 | +8.3 | 234.2 | -0.4 |
| 1958 | 259.9 | +4.0 | 245.5 | +11.3 |
| 1959 | 269.5 | +9.6 | 247.4 | +1.9 |
| 1960 | 276.7 | +7.2 | 250.0 | +2.6 |
| 1961 | 282.2 | +5.5 | 261.2 | +11.2 |
| 1962 | 290.7 | +8.5 | 272.0 | +10.8 |
| 1963 | 298.6 | +7.9 | 268.4 | -3.6 |
| 1964 | 308.6 | +10.0 | 265.8 | -2.6 |
| 1965 | 321.8 | +13.2 | 282.2 | +16.4 |

Sources: Price Index Numbers of Commodities and Services Used by Farmers, Cat. No. 62-004, Dominion Bureau of Statistics.
Index Numbers of Farm Prices of Agricultural Products, Cat. No. 62-003, Dominion Bureau of Statistics.

World market conditions in the 1956-57 crop year resulted in producers realizing only \$1.588 a bushel basis No. 1 Northern Wheat in store Port Arthur/Fort William or Vancouver. ^{2/} The price of wheat

^{1/} Jacob A. Brown and Stanley H. Barber, Farm Land Prices in Saskatchewan, March, 1967, Economics and Statistics Branch, Saskatchewan Department of Agriculture.

^{2/} Since all wheat is not No. 1 Northern, the producers of other wheat grades receive prices that are less than No. 1 Northern. Deductions are also made for the P.F.A.A. levy, freight costs and country elevator handling charges. The P.F.A.A. levy is one per cent where the farmer does not participate in a crop insurance program. Freight costs vary according to the distance from the shipping point to the Lakehead or Vancouver. At Davidson in central Saskatchewan, producers pay approximately 20¢ per bushel for freight costs and elevator handling charges.

remained relatively stable until the early 1960's. In the 1960-61 crop year the total price realized by the Wheat Board was \$1.795 a bushel for No. 1 Northern Wheat, an increase of 20.5 cents from the previous crop year. In the 1961-62 crop year the realized price was \$1.910, an advance of 11.5 cents per bushel. The higher prices were due to improved market demand with the exception of a 6 1/8 cent a bushel increase in May, 1962, that resulted from the official devaluation of the Canadian dollar. During the last four years of the decade the price for No. 1 Northern Wheat fluctuated between \$1.874 and \$1.997. In Table 3 the Canadian Wheat Board realized prices for the crop years 1956-57 to 1965-66 are shown for No. 1 Northern Wheat, 2 C.W. Oats and 3 C.W. 6-row Barley basis the Lakehead.

TABLE 3. CANADIAN WHEAT BOARD TOTAL REALIZED PRICES BASIS LAKEHEAD, 1956-66

| Crop Year | No. 1 Northern Wheat | 2 C.W. Oats | 3 C.W. 6-Row Barley |
|------------------------|-------------------------|----------------|------------------------|
| - dollars per bushel - | | | |
| 1956-57 | 1.588 | .650 | 1.020 |
| 1957-58 | 1.621 | .674 | 1.033 |
| 1958-59 | 1.596 | .695 | 1.007 |
| 1959-60 | 1.590 | .771 | .982 |
| 1960-61 | 1.795 | .742 | 1.045 |
| 1961-62 | 1.910 | .772 | 1.280 |
| 1962-63 | 1.874 | .718 | 1.132 |
| 1963-64 | 1.974 | .692 | 1.178 |
| 1964-65 | 1.887 | .772 | 1.260 |
| 1965-66 | 1.997 | .845 | 1.286 |

Source: 1966-1967 Annual Report of the Canadian Wheat Board.

Considerable adjustments in land use on the prairies were made between 1956 and 1966 in response to market demand and changing technology (Table 4). The shift to wheat production was particularly

important. Rye, rapeseed and tame hay acreages increased during each census period while acreages in oats and flaxseed decreased. Barley acreage decreased by 2.8 million acres between 1956 and 1961 but made a recovery of 1.6 million acres in the 1966 census. From 1956 to 1966 the only poor crop was 1961 when the prairies experienced a drought.

TABLE 4. LAND USE IN THE PRAIRIE PROVINCES, 1956, 1961, and 1966

| Land Use | 1956 | 1961 | 1966 |
|-------------------|-------------------|-------------------|-------|
| - million acres - | | | |
| Wheat | 22.1 | 24.6 | 29.2 |
| Oats | 8.7 | 7.1 | 5.5 |
| Barley | 8.2 | 5.4 | 7.0 |
| Rye | 0.5 ^{1/} | 0.5 ^{1/} | 0.7 |
| Flaxseed | 3.0 | 2.1 | 1.9 |
| Rapeseed | 0.4 | 0.7 | 1.5 |
| Tame Hay | 2.9 | 4.5 | 5.2 |
| Summerfallow | 24.1 | 27.9 | 25.2 |
| Improved Acres | 75.7 | 80.4 | 85.2 |
| Total Farm Area | 126.7 | 129.8 | 133.5 |

^{1/} Reported acreages for rye: 1956, 451,985; 1961, 492,753 acres.

Source: Census of Canada.

During the decade from June 1, 1956, to June 1, 1966, the number of cattle in the Prairie Provinces increased by almost two million head (Table 5), but the number of census farms with cattle decreased by 41,502. The size of the average herd on farms made a corresponding adjustment. For all farms reporting cattle, the average herd size increased from 29 head to 51 head. If farms with fewer than 18 head are excluded, the average herd size in 1966 was 68 head compared with 49 head in 1956. Another change in the structure of cattle enterprises on farms in the Prairie Provinces is revealed by figures covering cows

kept for milk production and cows kept for beef production. During the ten-year period the number of cows kept for milk production fell from 777,000 to 547,000, a decrease of 30 per cent, but the number of cows kept for beef production rose from 1,418,000 to 2,345,000, an increase of 65 per cent.

TABLE 5. CATTLE ON FARMS IN MANITOBA, SASKATCHEWAN AND ALBERTA AS AT JUNE 1, 1956-1966

| Year | Manitoba | Saskatchewan | Alberta | Total |
|---------------|----------|--------------|---------|---------|
| - thousands - | | | | |
| 1956 | 871.5 | 1,869.0 | 2,449.2 | 5,189.7 |
| 1957 | 885.0 | 1,930.0 | 2,621.0 | 5,436.0 |
| 1958 | 868.0 | 1,885.0 | 2,557.0 | 5,310.0 |
| 1959 | 892.0 | 1,881.0 | 2,623.0 | 5,396.0 |
| 1960 | 931.0 | 1,956.0 | 2,697.0 | 5,584.0 |
| 1961 | 995.6 | 2,121.1 | 2,879.4 | 5,996.1 |
| 1962 | 982.0 | 2,080.0 | 2,863.0 | 5,925.0 |
| 1963 | 1,065.0 | 2,147.0 | 2,935.0 | 6,147.0 |
| 1964 | 1,139.0 | 2,300.0 | 3,135.0 | 6,574.0 |
| 1965 | 1,150.0 | 2,340.0 | 3,195.0 | 6,685.0 |
| 1966 | 1,151.2 | 2,398.0 | 3,439.7 | 6,988.9 |

Source: Livestock and Animal Products Statistics, 1967, Cat. No. 23-203, Dominion Bureau of Statistics.

Table 6 shows the average annual prices for good steers, good feeder steers and stocker calves at the Winnipeg stockyards, 1956-1965.

TABLE 6. AVERAGE ANNUAL PRICES FOR GOOD STEERS, GOOD FEEDER STEERS, AND STOCKER CALVES, WINNIPEG STOCKYARDS, 1956-1965

| Year | Good Steers | Good Feeder Steers | Stocker Calves ^{1/} |
|--------------------------|-------------|--------------------|------------------------------|
| - dollars per 100 lbs. - | | | |
| 1956 | 17.80 | 16.20 | 14.86 |
| 1957 | 17.85 | 17.00 | 16.98 |
| 1958 | 21.95 | 21.60 | 25.64 |
| 1959 | 23.85 | 22.90 | 24.39 |
| 1960 | 21.70 | 21.00 | 21.74 |
| 1961 | 21.40 | 21.45 | 23.78 |
| 1962 | 24.85 | 24.40 | 27.42 |
| 1963 | 23.00 | 23.20 | 25.85 |
| 1964 | 21.85 | 20.85 | 22.21 |
| 1965 | 23.25 | 22.05 | 23.20 |

^{1/} There was no differentiation as to sex and quality of stocker calves, 1956-1962. The 1963-1965 price quotations are for good stocker steer calves.

Source: Livestock and Animal Products Statistics, Cat. No. 23-203, Dominion Bureau of Statistics.

While the total number of farms in the Prairie Provinces decreased by 16 per cent between 1956 and 1966, the number of farms reporting hogs decreased by 40 per cent. The rate of decrease in the farms reporting hogs was $2\frac{1}{2}$ times greater than the rate of decrease in total farms. As a percentage of all farms, the farms reporting hogs decreased from 52 per cent in 1956 to 37 per cent in 1966.

The hog population in the Prairie Provinces, 1956-1966, fluctuated between 1.9 million and 3.1 million (Table 7). Although hog numbers as of June 1, 1956, and June 1, 1966, were approximately the same, i.e., 2,114,000 and 2,080,000, the number of farms with hogs had decreased from 119,903 in 1956 to 71,579 in 1966 and, correspondingly, the size of the average hog operation had increased from 18 hogs to 29 hogs.

An analysis of census data reveals a major shift that took place in the size of hog enterprises between 1956 and 1966. In 1956, 15 per cent of the farms had more than 32 hogs, accounted for 54 per cent of the total number of hogs and averaged 64 hogs per farm. In 1966, 24 per cent of the farms had more than 32 hogs, accounted for 75 per cent of the total number of hogs and averaged 92 hogs per farm.

Table 7 also shows the average annual prices for dressed, grade B hogs at the Winnipeg Stockyards for the 1956-1966 period.

TABLE 7. HOGS ON FARMS IN MANITOBA, SASKATCHEWAN AND ALBERTA AS AT JUNE 1, 1956-65, AND AVERAGE ANNUAL HOG PRICES AT WINNIPEG STOCKYARDS, 1956-1966

| Year | Manitoba | Saskatchewan | Alberta | Total | Average Price ^{1/} 100 lbs. |
|---------------|----------|--------------|---------|---------|--|
| - thousands - | | | | | \$ per |
| 1956 | 310.5 | 591.9 | 1,211.5 | 2,113.9 | 23.40 |
| 1957 | 314.0 | 623.0 | 1,289.0 | 2,226.0 | 28.20 |
| 1958 | 453.0 | 867.0 | 1,680.0 | 3,000.0 | 25.20 |
| 1959 | 503.0 | 807.0 | 1,759.0 | 3,069.0 | 21.30 |
| 1960 | 371.0 | 546.0 | 1,339.0 | 2,256.0 | 21.65 |
| 1961 | 431.5 | 640.8 | 1,470.0 | 2,542.3 | 24.85 |
| 1962 | 334.0 | 443.0 | 1,190.0 | 1,967.0 | 25.65 |
| 1963 | 391.0 | 441.0 | 1,113.0 | 1,945.0 | 24.80 |
| 1964 | 460.0 | 556.0 | 1,302.0 | 2,318.0 | 23.55 |
| 1965 | 421.0 | 454.0 | 1,169.0 | 2,044.0 | 30.65 |
| 1966 | 499.2 | 488.2 | 1,092.7 | 2,080.1 | 33.45 |

^{1/} Grade B hogs, Dressed.

Sources: Livestock and Animal Products Statistics, 1967, Cat. No. 23-203, Dominion Bureau of Statistics.
Livestock Market Review, Canada Department of Agriculture.

PRESENTATION OF DATA

The purpose of the previous section was to give an economic setting or context to the organizational characteristics of grain-cattle-hog farms, 1956-65. This section explains how the operating statements for grain-cattle-hog farms were prepared.

Operating statements were prepared by soil zone, by soil texture, by average total acres and by average improved acres for farms in the particular study areas. Each operating statement covers capital investment, receipts, expenses and net returns on the basis of average dollars per farm and average dollars per improved acre, the latter figure being obtained by dividing the average dollars per farm by the number of improved acres. The statement does not show purchases and sales of land, buildings, machinery and equipment subsequent to the initial inventory. All information is given on an owner-operator basis.

Farm Characteristics

Farm characteristics include pertinent information on land use, livestock numbers, labor use and wheat yields. Cattle and hog enterprises on farms affect the land use pattern or the distribution of improved acres in grains and forages. The relative importance of the different grains is evidenced by the respective acreages in each of these crops. In the Manitoba studies the crop preference was wheat, oats and barley in that order, but in the Alberta studies the crop preference was the reverse, i.e., barley, oats and wheat. Few farm groups had rye and, with two minor exceptions, flax was grown only in Manitoba.

All groups had a few acres in mixed grains. No differentiation is made between summerfallow crop and stubble crop. Forages include tame hay, tame pasture, and grains sown for forage purposes. Grain-cattle-hog farms have considerable amounts of unimproved pasture for the cattle enterprises and very small amounts for the hog enterprise. Where the operator labor is greater than 12 months, there was a partnership arrangement. For the Alberta studies an operator could have a non-farm occupation and work less than 12 months without the farm being considered off-type. Long-term average wheat yields, 1947-1966, are given for each study area.

Farm Capital

Farm capital is classified into four categories: lands; buildings; machinery and equipment; and livestock. Real estate, the major component of farm assets, includes both owned and rented land and the buildings thereon. The capital value of the buildings is an additive value or the difference between farmers' estimates of bareland value and total real estate value. In both Manitoba and Alberta the present worth of machinery and equipment was obtained from farm operators. Grain-cattle-hog farms, of course, have a large investment in livestock.

Farm Receipts

Farm receipts are based on the actual conditions of land use, yields, grades and prices for the particular crop year. It has, however, been assumed that the entire crop was sold. The sale of livestock is a major source of income of grain-cattle-hog farms. No inventory change is recognized other than that associated with the livestock operation.

Livestock products sold or consumed were mostly dairy products and eggs. The house rent is usually 10 per cent of the estimated present value of the building. Non-farm income such as family allowances, pensions and off-farm work are not included in farm receipts.

Cash Expenses and Depreciation

Cash expenses and depreciation are the two components of farm costs. The operating statement shows cash expenses grouped into classes that cover crop services; the operation of machinery including cars and trucks; livestock purchases and inputs; taxes and building maintenance; hired labor; and such miscellaneous items as electricity, telephone and hardware. The largest cash expenses are for the operation of machinery and for livestock purchases and inputs. Real estate taxes on owned and rented land are also a sizeable expense. Machinery depreciation is a particularly heavy cost. Rates of depreciation, generally based on replacement values, vary according to type of machine and kind of building.

Net Returns

The final section of the operating statement presents three different measurements of net returns: 1) to operator and family for labor and capital; 2) to operator and family labor; and 3) to capital. This information is given for the year in which the study was made; also, because crop yields often vary sharply from year to year, net returns are calculated for average crop yields of the twenty-year period from 1947 to 1966 and assume the same land use, grades and prices as in the study year. In the computation of average 1947-66 net farm returns, it

is supposed that, crop sales excepted, other items of income and expense are unchanged.

Allowances for interest on capital and for the operator's labor are shown in Table 8.

TABLE 8. ALLOWANCES MADE FOR INTEREST ON CAPITAL AND FOR LABOR OF OPERATOR IN CALCULATIONS OF NET RETURNS, GRAIN-CATTLE-HOG FARMS IN THE PRAIRIE PROVINCES, 1956-65

| Year | Allowance For Interest On Capital | Allowance For Labor Of Operator |
|------|---|---------------------------------------|
| | - per cent - | - dollars - |
| 1956 | 3.50 | 1,920 |
| 1957 | 4.00 | 2,040 |
| 1958 | 4.50 | 2,160 |
| 1959 | 4.50 | 2,280 |
| 1960 | 5.00 | 2,400 |
| 1961 | 5.00 | 2,520 |
| 1962 | 5.00 | 2,640 |
| 1963 | 5.00 | 2,760 |
| 1964 | 5.00 | 2,880 |
| 1965 | 5.00 | 3,000 |

In determining the return to operator and family labor, the average interest rate allowed for capital investment was set at approximately the average interest rate on Canada Savings Bonds sold during the survey year. In SECTION II, Table 1, the return to operator and family labor, \$1,478, was determined by subtracting \$1,469 from the \$2,947 return to operator and family for labor and capital, \$1,469 being $4\frac{1}{2}$ per cent of the total farm capital of \$32,645. The $4\frac{1}{2}$ per cent was approximately the average interest rate on Canada Savings Bonds in 1959.

In calculating the return to capital, allowances were made both for the management of the operator and for his labor. The management allowance was 2 per cent of capital investment. The twelve-month allowance for labor is an adjusted amount. It was based on the average cost of hired labor in the Prairie Provinces as indicated by studies made that year plus the estimated cost of board. In SECTION II, Table 1, the return to capital, \$14, was determined by subtracting from \$2,947, the return to operator and family for labor and capital, both the management allowance, \$653 (2 per cent of the total farm capital of \$32,645 = \$653) and \$2,280, the twelve-month allowance for operator labor in 1959.

An examination of the 22 operating statements for studies of grain-cattle-hog farms in SECTION II shows that in 15 instances the return to operator and family labor was sufficient to support the allowances for capital, management and operator labor. There were, however, 7 cases where the return to operator and family for labor and capital was insufficient to provide the allowances for operator labor and management so that the return to capital was negative. In two of these instances the allowance for interest on capital also resulted in negative returns to operator and family labor.

FARM CHARACTERISTICS

CASH EXPENSES

FARM CAPITAL

Av. \$
Per Farm

FARM RECEIPTS

DEPRECIATION EXPENSES

| | | |
|---------------------|-------|-------|
| Total farm expenses | 4,192 | 16.84 |
|---------------------|-------|-------|

| <u>1959 Crop Yields</u> | | <u>1947-66 Crop Yields</u> | |
|-------------------------|--------------|----------------------------|--------------|
| Av. \$ | Av. \$ | Av. \$ | Av. \$ |
| Per Farm | Per Imp. Ac. | Per Farm | Per Imp. Ac. |

TABLE 2. - OPERATING STATEMENT FOR 23 GRAIN-CATTLE-HOG FARMS AVERAGING 476 ACRES WITH 371 ACRES IMPROVED ON

CLAY LOAM SOILS IN THE BLACK SOIL ZONE OF THE PRAIRIE PROVINCES, 1959

| FARM CHARACTERISTICS | | | CASH EXPENSES | | |
|--|--------------------|------------------------|---------------------|------------------------|--|
| | | | Av. \$ Per Farm | Av. \$ Per Imp. Ac. | |
| Study Area: Somerset-Manitou, Manitoba. | | | | | |
| Number of Farms: 23 | | | | | |
| Av. Land Use (improved acres): | | | | | |
| Wheat 100; Oats 59; Barley 38; Flax 14; | | | | | |
| Mixed Grains 3; Forages 60; Other 4; Summerfallow 93. | | | | | |
| Av. Acres Improved 371. Av. Total Acres 476. | | | | | |
| Av. Livestock Numbers: | | | | | |
| Cattle 42.3; Hogs 44.2; Sheep 0.3; Poultry 95.0. | | | | | |
| Av. Labor Use (months): | | | | | |
| Hired 1.7; Family 3.1; Operator 12.0; Total 16.8. | | | | | |
| Av. Wheat Yields: 1959, 30.6; 1947-66, 24.4. | | | | | |
| FARM CAPITAL | | | | | |
| | Av. \$ Per Farm | Av. \$ Per Imp. Ac. | | | |
| Land | 24,343 | 65.61 | | | |
| Buildings | 4,509 | 12.15 | | | |
| Total real estate | 28,852 | 77.76 | | | |
| Machinery and equipment | 10,190 | 27.47 | | | |
| Livestock | 6,936 | 18.70 | | | |
| Total farm capital | 45,978 | 123.93 | | | |
| FARM RECEIPTS | | | | | |
| | Av. \$ Per Farm | Av. \$ Per Imp. Ac. | | | |
| Cash receipts: | | | | | |
| Crop sales | 4,506 | 12.15 | | | |
| Livestock sales | 3,581 | 9.65 | | | |
| Livestock products sales | 730 | 1.97 | | | |
| Custom work | 76 | 0.20 | | | |
| Other farm income | 224 | 0.60 | | | |
| Non-cash receipts: | | | | | |
| Livestock inventory change .. | 647 | 1.74 | | | |
| Home consumed products | 313 | 0.84 | | | |
| Value of house rent | 332 | 0.90 | | | |
| Total farm receipts | 10,409 | 28.05 | | | |
| CROPS | | | | | |
| Fertilizer | 53 | 0.14 | | | |
| Weed sprays | 27 | 0.07 | | | |
| Seed purchases | 89 | 0.24 | | | |
| Seed treatment | 3 | 0.01 | | | |
| Seed cleaning | 8 | 0.02 | | | |
| Hail insurance | 37 | 0.10 | | | |
| Machinery: | | | | | |
| Fuel, oil, grease | 740 | 1.99 | | | |
| Repairs | 516 | 1.39 | | | |
| License, insurance | 69 | 0.19 | | | |
| Custom work | 93 | 0.25 | | | |
| Livestock: | | | | | |
| Purchases | 451 | 1.22 | | | |
| Feed | 372 | 1.00 | | | |
| Hay and pasture lease | 5 | 0.01 | | | |
| Miscellaneous | 61 | 0.16 | | | |
| Real estate: | | | | | |
| Taxes | 407 | 1.10 | | | |
| Repairs, upkeep, insurance . | 172 | 0.46 | | | |
| Labor and board | 258 | 0.70 | | | |
| Miscellaneous: | | | | | |
| Electricity | 67 | 0.18 | | | |
| Telephone | 23 | 0.06 | | | |
| Hardware | 73 | 0.20 | | | |
| Other | 95 | 0.26 | | | |
| Total cash expenses | 3,619 | 9.75 | | | |
| DEPRECIATION EXPENSES | | | | | |
| | Av. \$ Per Farm | Av. \$ Per Imp. Ac. | | | |
| Machinery | 1,676 | 4.52 | | | |
| Buildings, wells, fences | 390 | 1.05 | | | |
| Total depreciation expenses . | 2,066 | 5.57 | | | |
| Total farm expenses | 5,685 | 15.32 | | | |
| NET RETURNS | | | | | |
| | 1959 Crop Yields | | 1947-66 Crop Yields | | |
| | Av. \$ Per Farm | Av. \$ Per Imp. Ac. | Av. \$ Per Farm | Av. \$ Per Imp. Ac. | |
| Total farm income | 10,409 | 28.05 | 9,021 | 24.31 | |
| Total farm expenses | 5,685 | 15.32 | 5,685 | 15.32 | |
| Return to operator and family for Labor and Capital | 4,724 | 12.73 | 3,336 | 8.99 | |
| Return to operator and family Labor | 2,655 | 7.16 | 1,267 | 3.42 | |
| Return to Capital | 1,524 | 4.11 | 136 | 0.37 | |

TABLE 3. - OPERATING STATEMENT FOR 26 GRAIN-CATTLE-HOG FARMS AVERAGING 484 ACRES WITH 374 ACRES IMPROVED ON CLAY LOAM SOILS IN THE BLACK SOIL ZONE OF THE PRAIRIE PROVINCES, 1964

| FARM CHARACTERISTICS | | | CASH EXPENSES | | |
|--|--------------------|------------------------|---------------------|------------------------|--|
| Study Area: Somerset-Manitou, Manitoba. | | | | | |
| Number of Farms: 26 | | | | | |
| Av. Land Use (improved acres): | | | | | |
| Wheat 119; Oats 58; Barley 7; Rye 3; Flax 41; | | | | | |
| Mixed Grains 5; Forages 48; Other 2; Summerfallow 91. | | | | | |
| Av. Acres Improved 374. Av. Total Acres 484. | | | | | |
| Av. Livestock Numbers: | | | | | |
| Cattle 40.4; Hogs 27.5; Poultry 47.0. | | | | | |
| Av. Labor Use (months): | | | | | |
| Hired 0.9; Family 4.0; Operator 12.0; Total 16.9. | | | | | |
| Av. Wheat Yields: 1964, 31.6; 1947-66, 24.4. | | | | | |
| FARM CAPITAL | | | | | |
| | Av. \$ Per Farm | Av. \$ Per Imp. Ac. | | | |
| Land | 31,865 | 85.20 | | | |
| Buildings | 6,062 | 16.21 | | | |
| Total real estate | 37,927 | 101.41 | | | |
| Machinery and equipment | 11,912 | 31.85 | | | |
| Livestock | 6,131 | 16.39 | | | |
| Total farm capital | 55,970 | 149.65 | | | |
| FARM RECEIPTS | | | | | |
| | Av. \$ Per Farm | Av. \$ Per Imp. Ac. | | | |
| Cash receipts: | | | | | |
| Crop sales | 7,840 | 20.96 | | | |
| Livestock sales | 3,008 | 8.04 | | | |
| Livestock products sales | 575 | 1.54 | | | |
| Custom work | 58 | 0.16 | | | |
| Other farm income | - | - | | | |
| Non-cash receipts: | | | | | |
| Livestock inventory change .. | 138 | 0.37 | | | |
| Home consumed products | 312 | 0.83 | | | |
| Value of house rent | 477 | 1.28 | | | |
| Total farm receipts | 12,408 | 33.18 | | | |
| CASH EXPENSES | | | | | |
| | Av. \$ Per Farm | Av. \$ Per Imp. Ac. | | | |
| Crops: | | | | | |
| Fertilizer | 141 | 0.38 | | | |
| Weed sprays | 35 | 0.09 | | | |
| Seed purchases | 172 | 0.46 | | | |
| Seed treatment | 4 | 0.01 | | | |
| Seed cleaning | 10 | 0.03 | | | |
| Hail insurance | 38 | 0.10 | | | |
| Machinery: | | | | | |
| Fuel, oil, grease | 570 | 1.52 | | | |
| Repairs | 516 | 1.38 | | | |
| License, insurance | 68 | 0.18 | | | |
| Custom work | 186 | 0.50 | | | |
| Livestock: | | | | | |
| Purchases | 498 | 1.33 | | | |
| Feed | 167 | 0.45 | | | |
| Hay and pasture lease | 19 | 0.05 | | | |
| Miscellaneous | 73 | 0.20 | | | |
| Real estate: | | | | | |
| Taxes | 454 | 1.21 | | | |
| Repairs, upkeep, insurance . | 253 | 0.68 | | | |
| Labor and board | 152 | 0.41 | | | |
| Miscellaneous: | | | | | |
| Electricity | 75 | 0.20 | | | |
| Telephone | 26 | 0.07 | | | |
| Hardware | 62 | 0.16 | | | |
| Other | 199 | 0.53 | | | |
| Total cash expenses | 3,718 | 9.94 | | | |
| DEPRECIATION EXPENSES | | | | | |
| | Av. \$ Per Farm | Av. \$ Per Imp. Ac. | | | |
| Machinery | 1,765 | 4.72 | | | |
| Buildings, wells, fences | 478 | 1.28 | | | |
| Total depreciation expenses . | 2,243 | 6.00 | | | |
| Total farm expenses | 5,961 | 15.94 | | | |
| NET RETURNS | | | | | |
| | 1964 Crop Yields | | 1947-66 Crop Yields | | |
| | Av. \$ Per Farm | Av. \$ Per Imp. Ac. | Av. \$ Per Farm | Av. \$ Per Imp. Ac. | |
| Total farm income | 12,408 | 33.18 | 10,090 | 26.98 | |
| Total farm expenses | 5,961 | 15.94 | 5,961 | 15.94 | |
| Return to operator and family for Labor and Capital | 6,447 | 17.24 | 4,129 | 11.04 | |
| Return to operator and family Labor | 3,649 | 9.76 | 1,331 | 3.56 | |
| Return to Capital | 2,448 | 6.54 | 130 | 0.35 | |

TABLE 4. - OPERATING STATEMENT FOR 22 GRAIN-CATTLE-HOG FARMS AVERAGING 743 ACRES WITH 604 ACRES IMPROVED ON CLAY LOAM SOILS IN THE BLACK SOIL ZONE OF THE PRAIRIE PROVINCES, 1964

| FARM CHARACTERISTICS | | CASH EXPENSES | |
|---|--|---|------------------------|
| | | Av. \$ Per Farm | Av. \$ Per Imp. Ac. |
| Study Area: Somerset-Manitou, Manitoba. | | | |
| Number of Farms: 22 | | | |
| Av. Land Use (improved acres): | | | |
| Wheat 208; Oats 91; Barley 17; Flax 55; | | | |
| Mixed Grains 18; Forages 65; Other 10; Summerfallow 140. | | | |
| Av. Acres Improved 604. Av. Total Acres 743. | | | |
| Av. Livestock Numbers: | | | |
| Cattle 52.3; Hogs 41.2; Poultry 80.0. | | | |
| Av. Labor Use (months): | | | |
| Hired 1.0; Family 8.1; Operator 11.9; Total 21.0. | | | |
| Av. Wheat Yields: 1964, 29.5; 1947-66, 24.4. | | | |
| FARM CAPITAL | | | |
| | Av. \$ Per Farm | Av. \$ Per Imp. Ac. | |
| Land | 56,987 | 94.35 | |
| Buildings | 6,477 | 10.72 | |
| Total real estate | 63,464 | 105.07 | |
| Machinery and equipment | 19,407 | 32.13 | |
| Livestock | 7,702 | 12.75 | |
| Total farm capital | 90,573 | 149.95 | |
| FARM RECEIPTS | | | |
| | Av. \$ Per Farm | Av. \$ Per Imp. Ac. | |
| Cash receipts: | | | |
| Crop sales | 12,892 | 21.34 | |
| Livestock sales | 4,503 | 7.46 | |
| Livestock products sales | 554 | 0.92 | |
| Custom work | 195 | 0.32 | |
| Other farm income | 5 | 0.01 | |
| Non-cash receipts: | | | |
| Livestock inventory change .. | 639 | 1.06 | |
| Home consumed products | 278 | 0.46 | |
| Value of house rent | 510 | 0.84 | |
| Total farm receipts | 19,576 | 32.41 | |
| CROPS | | | |
| | Av. \$ Per Farm | Av. \$ Per Imp. Ac. | |
| Fertilizer | 224 | 0.37 | |
| Weed sprays | 65 | 0.11 | |
| Seed purchases | 246 | 0.41 | |
| Seed treatment | 11 | 0.02 | |
| Seed cleaning | 10 | 0.02 | |
| Hail insurance | 62 | 0.10 | |
| Machinery: | | | |
| Fuel, oil, grease | 899 | 1.49 | |
| Repairs | 699 | 1.16 | |
| License, insurance | 81 | 0.13 | |
| Custom work | 274 | 0.45 | |
| Livestock: | | | |
| Purchases | 1,195 | 1.98 | |
| Feed | 548 | 0.91 | |
| Hay and pasture lease | - | - | |
| Miscellaneous | 47 | 0.08 | |
| Real estate: | | | |
| Taxes | 750 | 1.24 | |
| Repairs, upkeep, insurance . | 258 | 0.43 | |
| Labor and board | 190 | 0.31 | |
| Miscellaneous: | | | |
| Electricity | 98 | 0.16 | |
| Telephone | 29 | 0.05 | |
| Hardware | 61 | 0.10 | |
| Other | 276 | 0.45 | |
| Total cash expenses | 6,023 | 9.97 | |
| DEPRECIATION EXPENSES | | | |
| | Av. \$ Per Farm | Av. \$ Per Imp. Ac. | |
| Machinery | 2,415 | 4.00 | |
| Buildings, wells, fences | 610 | 1.01 | |
| Total depreciation expenses . | 3,025 | 5.01 | |
| Total farm expenses | 9,048 | 14.98 | |
| NET RETURNS | | | |
| | 1964 Crop Yields Av. \$ Per Farm | 1947-66 Crop Yields Av. \$ Per Imp. Ac. | |
| Total farm income | 19,576 | 32.41 | 17,502 |
| Total farm expenses | 9,048 | 14.98 | 9,048 |
| Return to operator and family for Labor and Capital | 10,528 | 17.43 | 8,454 |
| Return to operator and family Labor | 5,999 | 9.93 | 3,925 |
| Return to Capital | 5,837 | 9.66 | 3,763 |

TABLE 5. - OPERATING STATEMENT FOR 24 GRAIN-CATTLE-HOG FARMS AVERAGING 596 ACRES WITH 395 ACRES IMPROVED ON CLAY LOAM SOILS IN THE BLACK SOIL ZONE OF THE PRAIRIE PROVINCES, 1961

| FARM CHARACTERISTICS | | | CASH EXPENSES | | |
|--|--------------------|------------------------|-------------------------------|------------------------|------------------------|
| | Av. \$ Per Farm | Av. \$ Per Imp. Ac. | | Av. \$ Per Farm | Av. \$ Per Imp. Ac. |
| Study Area: Russell-Minnedosa, Manitoba. | | | Crops: | | |
| Number of Farms: 24 | | | Fertilizer | 126 | 0.32 |
| Av. Land Use (improved acres): | | | Weed sprays | 17 | 0.04 |
| Wheat 96; Oats 64; Barley 40; Flax 7; | | | Seed purchases | 185 | 0.47 |
| Mixed Grains 7; Forages 43; Other 1; Summerfallow 137. | | | Seed treatment | 11 | 0.03 |
| Av. Acres Improved 395. Av. Total Acres 596. | | | Seed cleaning | 4 | 0.01 |
| Av. Livestock Numbers: | | | Hail insurance | 21 | 0.05 |
| Cattle 45.4; Hogs 31.5; Poultry 119.0. | | | Machinery: | | |
| Av. Labor Use (months): | | | Fuel, oil, grease | 648 | 1.64 |
| Hired 2.8; Family 4.1; Operator 12.0; Total 18.9. | | | Repairs | 485 | 1.23 |
| Av. Wheat Yields: 1961, 15.7; 1947-66, 23.6. | | | License, insurance | 63 | 0.16 |
| | | | Custom work | 69 | 0.17 |
| FARM CAPITAL | | | Livestock: | | |
| | Av. \$ Per Farm | Av. \$ Per Imp. Ac. | Purchases | 1,811 | 4.58 |
| Land | 20,943 | 53.02 | Feed | 301 | 0.76 |
| Buildings | 2,850 | 7.22 | Hay and pasture lease | 23 | 0.06 |
| Total real estate | 23,793 | 60.24 | Miscellaneous | 106 | 0.27 |
| Machinery and equipment | 11,068 | 28.02 | Real estate: | | |
| Livestock | 6,963 | 17.63 | Taxes | 533 | 1.35 |
| Total farm capital | 41,824 | 105.89 | Repairs, upkeep, insurance . | 113 | 0.29 |
| | | | Labor and board | 409 | 1.04 |
| FARM RECEIPTS | | | Miscellaneous: | | |
| | Av. \$ Per Farm | Av. \$ Per Imp. Ac. | Electricity | 59 | 0.15 |
| Cash receipts: | | | Telephone | 21 | 0.05 |
| Crop sales | 1,352 | 3.42 | Hardware | 69 | 0.17 |
| Livestock sales | 5,263 | 13.33 | Other | 78 | 0.20 |
| Livestock products sales | 711 | 1.80 | Total cash expenses | 5,152 | 13.04 |
| Custom work | 10 | 0.03 | | | |
| Other farm income | 50 | 0.13 | DEPRECIATION EXPENSES | | |
| Non-cash receipts: | | | | Av. \$ Per Farm | Av. \$ Per Imp. Ac. |
| Livestock inventory change ... | 942 | 2.38 | Machinery | 1,648 | 4.17 |
| Home consumed products | 278 | 0.70 | Buildings, wells, fences | 452 | 1.15 |
| Value of house rent | 329 | 0.83 | Total depreciation expenses . | 2,100 | 5.32 |
| Total farm receipts | 8,935 | 22.62 | | | |
| | | | Total farm expenses | 7,252 | 18.36 |
| NET RETURNS | | | | | |
| | 1961 Crop Yields | | 1947-66 Crop Yields | | |
| | Av. \$ Per Farm | Av. \$ Per Imp. Ac. | Av. \$ Per Farm | Av. \$ Per Imp. Ac. | |
| Total farm income | 8,935 | 22.62 | 11,779 | 29.82 | |
| Total farm expenses | 7,252 | 18.36 | 7,252 | 18.36 | |
| Return to operator and family for Labor and Capital | 1,683 | 4.26 | 4,527 | 11.46 | |
| Return to operator and family Labor | - 408 | - 1.03 | 2,436 | 6.17 | |
| Return to Capital | - 1,673 | - 4.24 | 1,171 | 2.96 | |

TABLE 6. - OPERATING STATEMENT FOR 19 GRAIN-CATTLE-HOG FARMS AVERAGING 556 ACRES WITH 435 ACRES IMPROVED ON
LOAM SOILS IN THE BLACK SOIL ZONE OF THE PRAIRIE PROVINCES, 1957

| | | | | | |
|-------------------------------|-------|-------|-------------------------------|-----------------|---------------------|
| Cash receipts: | | | | | |
| Crop sales | 2,200 | 9.52 | | Av. \$ | Av. \$ |
| Livestock sales | 4,414 | 19.11 | | <u>Per Farm</u> | <u>Per Imp. Ac.</u> |
| Livestock products sales ... | 622 | 2.69 | Machinery | 836 | 3.62 |
| Custom work | 59 | 0.26 | Buildings, wells, fences | 276 | 1.19 |
| Other farm income | 194 | 0.84 | Total depreciation expenses . | 1,112 | 4.81 |
| Non-cash receipts: | | | | | |
| Livestock inventory change .. | 545 | 2.36 | | | |
| Home consumed products | 334 | 1.44 | Total farm expenses | 4,365 | 18.89 |
| Value of house rent | 342 | 1.48 | | | |
| Total farm receipts | 8,710 | 37.70 | | | |

TABLE 8. - OPERATING STATEMENT FOR 20 GRAIN-CATTLE-HOG FARMS AVERAGING 563 ACRES WITH 461 ACRES IMPROVED ON

LOAM SOILS IN THE BLACK SOIL ZONE OF THE PRAIRIE PROVINCES, 1961

| FARM CHARACTERISTICS | | | CASH EXPENSES | | |
|---|--|--|--|--|--|
| Study Area: Red Deer, Alberta. | | | Crops: | | |
| Number of Farms: 20 | | | Fertilizer 479 . 1.03 | | |
| Av. Land Use (improved acres): | | | Weed sprays 35 0.07 | | |
| Wheat 23; Oats 64; Barley 131; Mixed Grains 13; | | | Seed purchases 212 0.45 | | |
| Forages 122; Other 14; Summerfallow 94. | | | Seed treatment 16 0.03 | | |
| Av. Acres Improved 461. Av. Total Acres 563. | | | Seed cleaning 34 0.07 | | |
| Av. Livestock Numbers: | | | Hail insurance - - | | |
| Cattle 50.0; Hogs 51.6; Sheep 6.9; Poultry 70.0. | | | Machinery: | | |
| Av. Labor Use (months): | | | Fuel, oil, grease 535 1.16 | | |
| Hired 2.8; Family 3.0; Operator 13.2; Total 19.0. | | | Repairs 520 1.12 | | |
| Av. Wheat Yields: 1961, 27.9; 1947-66, 22.9. | | | License, insurance 67 0.14 | | |
| | | | Custom work 148 0.32 | | |
| FARM CAPITAL | | | Livestock: | | |
| | | | Purchases 1,877 4.07 | | |
| | | | Feed 555 1.20 | | |
| | | | Hay and pasture lease - - | | |
| | | | Miscellaneous 160 0.34 | | |
| Land 35,433 76.86 | | | Real estate: | | |
| Buildings 8,929 19.36 | | | Taxes 626 1.35 | | |
| Total real estate 44,362 96.22 | | | Repairs, upkeep, insurance . 142 0.30 | | |
| Machinery and equipment 11,825 25.65 | | | Labor and board 466 1.01 | | |
| Livestock 8,580 18.61 | | | Miscellaneous: | | |
| Total farm capital 64,767 140.49 | | | Electricity 86 0.19 | | |
| | | | Telephone 20 0.04 | | |
| | | | Hardware 107 0.23 | | |
| | | | Other 145 0.31 | | |
| | | | Total cash expenses 6,230 13.51 | | |
| FARM RECEIPTS | | | DEPRECIATION EXPENSES | | |
| | | | | | |
| | | | Av. \$ Av. \$ | | |
| | | | Per Farm Per Imp. Ac. | | |
| Cash receipts: | | | Machinery 1,645 3.56 | | |
| Crop sales 3,180 6.89 | | | Buildings, wells, fences 538 1.17 | | |
| Livestock sales 7,676 16.65 | | | Total depreciation expenses . 2,183 4.73 | | |
| Livestock products sales 1,174 2.54 | | | | | |
| Custom work 171 0.37 | | | Total farm expenses 8,413 18.24 | | |
| Other farm income 30 0.06 | | | | | |
| Non-cash receipts: | | | | | |
| Livestock inventory change .. - 233 - 0.50 | | | | | |
| Home consumed products 303 0.65 | | | | | |
| Value of house rent 597 1.29 | | | | | |
| Total farm receipts 12,898 27.97 | | | | | |
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| FARM CHARACTERISTICS | | | CASH EXPENSES | | | |
|--|--------------------|------------------------|--|--------------|---------------------|--------------|
| Study Area: Red Deer, Alberta. Number of Farms: 11 Av. Land Use (improved acres): Wheat 34; Oats 88; Barley 205; Mixed Grains 5; Forages 222; Other 2; Summerfallow 121. Av. Acres Improved 677. Av. Total Acres 894. Av. Livestock Numbers: Cattle 127.0; Hogs 45.5; Poultry 83.4. Av. Labor Use (months): Hired 4.0; Family 5.0; Operator 15.3; Total 24.3. Av. Wheat Yields: 1962, 36.1; 1947-66, 22.9. | | | | | | |
| FARM CAPITAL | | | | | | |
| | Av. \$ Per Farm | Av. \$ Per Imp. Ac. | | | | |
| Land | 70,058 | 103.48 | | | | |
| Buildings | 12,960 | 19.14 | | | | |
| Total real estate | 83,018 | 122.62 | | | | |
| Machinery and equipment | 22,020 | 32.52 | | | | |
| Livestock | 19,566 | 28.90 | | | | |
| Total farm capital | 124,604 | 184.05 | | | | |
| FARM RECEIPTS | | | Crops: | | | |
| | Av. \$ Per Farm | Av. \$ Per Imp. Ac. | Fertilizer 739 1.09 | | | |
| Cash receipts: | | | Weed sprays 107 0.15 | | | |
| Crop sales | 7,972 | 11.77 | Seed purchases 135 0.19 | | | |
| Livestock sales | 17,018 | 25.13 | Seed treatment 42 0.06 | | | |
| Livestock products sales | 827 | 1.22 | Seed cleaning 41 0.06 | | | |
| Custom work | 9 | 0.01 | Hail insurance - - | | | |
| Other farm income | 211 | 0.31 | Machinery: | | | |
| Non-cash receipts: | | | Fuel, oil, grease 1,005 1.48 | | | |
| Livestock inventory change .. | 6,411 | 9.46 | Repairs 465 0.68 | | | |
| Home consumed products | 431 | 0.63 | License, insurance 103 0.15 | | | |
| Value of house rent | 680 | 1.00 | Custom work 223 0.32 | | | |
| Total farm receipts | 33,559 | 49.57 | Livestock: | | | |
| | | | Purchases 7,944 11.73 | | | |
| | | | Feed 1,375 2.03 | | | |
| | | | Hay and pasture lease - - | | | |
| | | | Miscellaneous 252 0.37 | | | |
| | | | Real estate: | | | |
| | | | Taxes 912 1.34 | | | |
| | | | Repairs, upkeep, insurance . 459 0.67 | | | |
| | | | Labor and board 825 1.21 | | | |
| | | | Miscellaneous: | | | |
| | | | Electricity 129 0.19 | | | |
| | | | Telephone 35 0.05 | | | |
| | | | Hardware 252 0.37 | | | |
| | | | Other 124 0.18 | | | |
| | | | Total cash expenses 15,167 22.40 | | | |
| | | | DEPRECIATION EXPENSES | | | |
| | | | Av. \$ | | | |
| | | | Per Farm | | | |
| | | | Av. \$ | | | |
| | | | Per Imp. Ac. | | | |
| | | | Machinery 3,167 4.67 | | | |
| | | | Buildings, wells, fences 808 1.19 | | | |
| | | | Total depreciation expenses . 3,975 5.87 | | | |
| | | | Total farm expenses 19,142 28.27 | | | |
| NET RETURNS | | | | | | |
| | | | 1962 Crop Yields | | 1947-66 Crop Yields | |
| | | | Av. \$ | Av. \$ | Av. \$ | Av. \$ |
| | | | Per Farm | Per Imp. Ac. | Per Farm | Per Imp. Ac. |
| Total farm income | 33,559 | 49.57 | 25,918 | 38.28 | | |
| Total farm expenses | 19,142 | 28.27 | 19,142 | 28.27 | | |
| Return to operator and family for Labor and Capital | 14,417 | 21.29 | 6,776 | 10.00 | | |
| Return to operator and family Labor | 8,187 | 12.09 | 546 | 0.81 | | |
| Return to Capital | 9,285 | 13.71 | 1,644 | 2.42 | | |

TABLE 10. - OPERATING STATEMENT FOR 22 GRAIN-CATTLE-HOG FARMS AVERAGING 548 ACRES WITH 425 ACRES IMPROVED ON

LOAM SOILS IN THE BLACK SOIL ZONE OF THE PRAIRIE PROVINCES, 1957

| FARM CHARACTERISTICS | | | CASH EXPENSES | | | |
|--|------------------|--------------|-------------------------------|----------|--------------|------|
| Study Area: Vegreville, Alberta. | | | Av. \$ | | Av. \$ | |
| Number of Farms: 22 | | | Per Farm | | Per Imp. Ac. | |
| Av. Land Use (improved acres): | | | | | | |
| Wheat 80; Oats 124; Barley 59; Mixed Grains 9; | | | | | | |
| Forages 46; Other 3; Summerfallow 104. | | | | | | |
| Av. Acres Improved 425. Av. Total Acres 548. | | | | | | |
| Av. Livestock Numbers: | | | | | | |
| Cattle 35.0; Hogs 62.3; Sheep 1.1; Poultry 224.0. | | | | | | |
| Av. Labor Use (months): | | | | | | |
| Hired 1.4; Family 4.6; Operator 11.7; Total 17.7. | | | | | | |
| Av. Wheat Yields: 1957, 15.3; 1947-66, 21.8. | | | | | | |
| FARM CAPITAL | | | | | | |
| | Av. \$ | Av. \$ | | | | |
| | Per Farm | Per Imp. Ac. | | | | |
| Land | 20,898 | 49.17 | | | | |
| Buildings | 9,034 | 21.25 | | | | |
| Total real estate | 29,932 | 70.42 | | | | |
| Machinery and equipment | 8,753 | 20.59 | | | | |
| Livestock | 5,352 | 12.59 | | | | |
| Total farm capital | 44,037 | 103.61 | | | | |
| FARM RECEIPTS | | | | | | |
| | Av. \$ | Av. \$ | | | | |
| | Per Farm | Per Imp. Ac. | | | | |
| Cash receipts: | | | | | | |
| Crop sales | 821 | 1.93 | | | | |
| Livestock sales | 4,158 | 9.78 | | | | |
| Livestock products sales | 850 | 2.00 | | | | |
| Custom work | 80 | 0.18 | | | | |
| Other farm income | 28 | 0.06 | | | | |
| Non-cash receipts: | | | | | | |
| Livestock inventory change .. | - 493 | - 1.16 | | | | |
| Home consumed products | 488 | 1.14 | | | | |
| Value of house rent | 427 | 1.00 | | | | |
| Total farm receipts | 6,359 | 14.96 | | | | |
| FARM CHARACTERISTICS | | | CASH EXPENSES | | | |
| Study Area: Vegreville, Alberta. | | | Av. \$ | | Av. \$ | |
| Number of Farms: 22 | | | Per Farm | | Per Imp. Ac. | |
| Av. Land Use (improved acres): | | | | | | |
| Wheat 80; Oats 124; Barley 59; Mixed Grains 9; | | | | | | |
| Forages 46; Other 3; Summerfallow 104. | | | | | | |
| Av. Acres Improved 425. Av. Total Acres 548. | | | | | | |
| Av. Livestock Numbers: | | | | | | |
| Cattle 35.0; Hogs 62.3; Sheep 1.1; Poultry 224.0. | | | | | | |
| Av. Labor Use (months): | | | | | | |
| Hired 1.4; Family 4.6; Operator 11.7; Total 17.7. | | | | | | |
| Av. Wheat Yields: 1957, 15.3; 1947-66, 21.8. | | | | | | |
| FARM CAPITAL | | | Crops: | | | |
| | Av. \$ | Av. \$ | | | | |
| | Per Farm | Per Imp. Ac. | | | | |
| Land | 20,898 | 49.17 | Fertilizer | | 111 | 0.26 |
| Buildings | 9,034 | 21.25 | Weed sprays | | 14 | 0.03 |
| Total real estate | 29,932 | 70.42 | Seed purchases | | 169 | 0.40 |
| Machinery and equipment | 8,753 | 20.59 | Seed treatment | | 31 | 0.07 |
| Livestock | 5,352 | 12.59 | Seed cleaning | | 20 | 0.04 |
| Total farm capital | 44,037 | 103.61 | Hail insurance | | 33 | 0.07 |
| FARM RECEIPTS | | | Machinery: | | | |
| | Av. \$ | Av. \$ | Fuel, oil, grease | | 609 | 1.43 |
| | Per Farm | Per Imp. Ac. | Repairs | | 505 | 1.18 |
| Cash receipts: | | | License, insurance | | 71 | 0.16 |
| Crop sales | 821 | 1.93 | Custom work | | 122 | 0.28 |
| Livestock sales | 4,158 | 9.78 | Livestock: | | | |
| Livestock products sales | 850 | 2.00 | Purchases | | 301 | 0.70 |
| Custom work | 80 | 0.18 | Feed | | 483 | 1.13 |
| Other farm income | 28 | 0.06 | Hay and pasture lease | | 15 | 0.03 |
| Non-cash receipts: | | | Miscellaneous | | 125 | 0.29 |
| Livestock inventory change .. | - 493 | - 1.16 | Real estate: | | | |
| Home consumed products | 488 | 1.14 | Taxes | | 513 | 1.21 |
| Value of house rent | 427 | 1.00 | Repairs, upkeep, insurance . | | 234 | 0.55 |
| Total farm receipts | 6,359 | 14.96 | Labor and board | | 206 | 0.48 |
| NET RETURNS | | | Miscellaneous: | | | |
| | 1957 Crop Yields | | Electricity | | 58 | 0.13 |
| | Av. \$ | Av. \$ | Telephone | | 10 | 0.02 |
| | Per Farm | Per Imp. Ac. | Hardware | | 52 | 0.12 |
| Total farm income | 6,359 | 14.96 | Other | | 83 | 0.19 |
| Total farm expenses | 5,577 | 13.12 | Total cash expenses | | 3,765 | 8.85 |
| Return to operator and family for Labor and Capital | 782 | 1.84 | DEPRECIATION EXPENSES | | | |
| Return to operator and family Labor | - 979 | - 2.30 | | Av. \$ | Av. \$ | |
| Return to Capital | - 2,139 | - 5.03 | | Per Farm | Per Imp. Ac. | |
| | | | Machinery | 1,392 | 3.27 | |
| | | | Buildings, wells, fences | 420 | 0.98 | |
| | | | Total depreciation expenses . | 1,812 | 4.26 | |
| | | | Total farm expenses | | | |
| | | | 5,577 | | 13.12 | |

| | |
|---|--|
| Total farm income | |
| Total farm expenses | |
| Return to operator and family for Labor and Capital | |
| Return to operator and family Labor | |
| Return to Capital | |

TABLE 12. - OPERATING STATEMENT FOR 20 GRAIN-CATTLE-HOG FARMS AVERAGING 558 ACRES WITH 455 ACRES IMPROVED ON LOAM SOILS IN THE BLACK SOIL ZONE OF THE PRAIRIE PROVINCES, 1961

| FARM CHARACTERISTICS | | | CASH EXPENSES | | |
|--|--------------------|------------------------|-------------------------------|------------------------|------------------------|
| | Av. \$ Per Farm | Av. \$ Per Imp. Ac. | | Av. \$ Per Farm | Av. \$ Per Imp. Ac. |
| Study Area: Vegreville, Alberta. | | | Crops: | | |
| Number of Farms: 20 | | | Fertilizer | 213 | 0.46 |
| Av. Land Use (improved acres): | | | Weed sprays | 47 | 0.10 |
| Wheat 133; Oats 125; Barley 30; Mixed Grains 1; | | | Seed purchases | 133 | 0.29 |
| Forages 38; Other 10; Summerfallow 118. | | | Seed treatment | 26 | 0.06 |
| Av. Acres Improved 455. Av. Total Acres 558. | | | Seed cleaning | 42 | 0.09 |
| Av. Livestock Numbers: | | | Hail insurance | 21 | 0.05 |
| Cattle 31.8; Hogs 49.0; Poultry 136.0. | | | Machinery: | | |
| Av. Labor Use (months): | | | Fuel, oil, grease | 690 | 1.52 |
| Hired 1.6; Family 4.8; Operator 11.9; Total 18.3. | | | Repairs | 944 | 2.07 |
| Av. Wheat Yields: 1961, 24.5; 1947-66, 21.8. | | | License, insurance | 73 | 0.16 |
| | | | Custom work | 49 | 0.11 |
| FARM CAPITAL | | | Livestock: | | |
| | Av. \$ Per Farm | Av. \$ Per Imp. Ac. | Purchases | 397 | 0.87 |
| Land | 24,795 | 54.49 | Feed | 288 | 0.63 |
| Buildings | 7,765 | 17.06 | Hay and pasture lease | 5 | 0.01 |
| Total real estate | 32,560 | 71.56 | Miscellaneous | 147 | 0.32 |
| Machinery and equipment | 11,140 | 24.48 | Real estate: | | |
| Livestock | 5,182 | 11.38 | Taxes | 458 | 1.01 |
| Total farm capital | 48,882 | 107.43 | Repairs, upkeep, insurance . | 141 | 0.31 |
| | | | Labor and board | 253 | 0.56 |
| FARM RECEIPTS | | | Miscellaneous: | | |
| | Av. \$ Per Farm | Av. \$ Per Imp. Ac. | Electricity | 84 | 0.18 |
| Cash receipts: | | | Telephone | 13 | 0.03 |
| Crop sales | 6,588 | 14.47 | Hardware | 120 | 0.26 |
| Livestock sales | 2,723 | 5.98 | Other | 90 | 0.20 |
| Livestock products sales | 729 | 1.60 | Total cash expenses | 4,234 | 9.30 |
| Custom work | 71 | 0.15 | | | |
| Other farm income | 1 | - | DEPRECIATION EXPENSES | | |
| Non-cash receipts: | | | | Av. \$ Per Farm | Av. \$ Per Imp. Ac. |
| Livestock inventory change .. | 886 | 1.94 | Machinery | 1,571 | 3.45 |
| Home consumed products | 454 | .99 | Buildings, wells, fences | 339 | 0.75 |
| Value of house rent | 498 | 1.09 | Total depreciation expenses . | 1,910 | 4.20 |
| Total farm receipts | 11,950 | 26.26 | | | |
| | | | Total farm expenses | | |
| | | | | 6,144 | 13.50 |
| NET RETURNS | | | | | |
| | 1961 Crop Yields | | 1947-66 Crop Yields | | |
| | Av. \$ Per Farm | Av. \$ Per Imp. Ac. | Av. \$ Per Farm | Av. \$ Per Imp. Ac. | |
| Total farm income | 11,950 | 26.26 | 10,651 | 23.40 | |
| Total farm expenses | 6,144 | 13.50 | 6,144 | 13.50 | |
| Return to operator and family for Labor and Capital | 5,806 | 12.76 | 4,507 | 9.90 | |
| Return to operator and family Labor | 3,362 | 7.38 | 2,063 | 4.53 | |
| Return to Capital | 2,308 | 5.07 | 1,009 | 2.22 | |

TABLE 13. - OPERATING STATEMENT FOR 21 GRAIN-CATTLE-HOG FARMS AVERAGING 557 ACRES WITH 415 ACRES IMPROVED ON
LOAM SOILS IN THE BLACK SOIL ZONE OF THE PRAIRIE PROVINCES, 1963

| FARM CHARACTERISTICS | | CASH EXPENSES | |
|--|------------------------|------------------------|------------------------|
| | | Av. \$ Per Farm | Av. \$ Per Imp. Ac. |
| Study Area: Camrose, Alberta. | | | |
| Number of Farms: 21 | | | |
| Av. Land Use (improved acres): | | | |
| Wheat 95; Oats 78; Barley 60; Rye 2; | | | |
| Mixed Grains 4; Forages 63; Other 3; Summerfallow 110. | | | |
| Av. Acres Improved 415. Av. Total Acres 557. | | | |
| Av. Livestock Numbers: | | | |
| Cattle 40.3; Hogs 40.7; Poultry 42.4. | | | |
| Av. Labor Use (months): | | | |
| Hired 3.0; Family 5.4; Operator 11.9; Total 20.3. | | | |
| Av. Wheat Yields: 1963, 31.4; 1947-66, 19.3. | | | |
| FARM CAPITAL | | | |
| | Av. \$ Per Farm | Av. \$ Per Imp. Ac. | |
| Land | 27,890 | 67.20 | |
| Buildings | 7,010 | 16.89 | |
| Total real estate | 34,900 | 84.09 | |
| Machinery and equipment | 11,172 | 26.92 | |
| Livestock | 6,772 | 16.31 | |
| Total farm capital | 52,844 | 127.33 | |
| FARM RECEIPTS | | | |
| | Av. \$ Per Farm | Av. \$ Per Imp. Ac. | |
| Cash receipts: | | | |
| Crop sales | 7,215 | 17.38 | |
| Livestock sales | 3,841 | 9.25 | |
| Livestock products sales | 716 | 1.72 | |
| Custom work | 37 | 0.09 | |
| Other farm income | 8 | 0.02 | |
| Non-cash receipts: | | | |
| Livestock inventory change .. | 475 | 1.14 | |
| Home consumed products | 394 | 0.95 | |
| Value of house rent | 582 | 1.40 | |
| Total farm receipts | 13,268 | 31.97 | |
| Crops: | | | |
| Fertilizer | 281 | 0.68 | |
| Weed sprays | 57 | 0.14 | |
| Seed purchases | 223 | 0.54 | |
| Seed treatment | 17 | 0.04 | |
| Seed cleaning | 9 | 0.02 | |
| Hail insurance | 70 | 0.17 | |
| Machinery: | | | |
| Fuel, oil, grease | 699 | 1.68 | |
| Repairs | 629 | 1.51 | |
| License, insurance | 83 | 0.20 | |
| Custom work | 128 | 0.31 | |
| Livestock: | | | |
| Purchases | 1,087 | 2.61 | |
| Feed | 168 | 0.40 | |
| Hay and pasture lease | 1 | - | |
| Miscellaneous | 132 | 0.32 | |
| Real estate: | | | |
| Taxes | 497 | 1.20 | |
| Repairs, upkeep, insurance .. | 236 | 0.57 | |
| Labor and board | 408 | 0.98 | |
| Miscellaneous: | | | |
| Electricity | 153 | 0.37 | |
| Telephone | 29 | 0.07 | |
| Hardware | 115 | 0.28 | |
| Other | 59 | 0.14 | |
| Total cash expenses | 5,081 | 12.24 | |
| DEPRECIATION EXPENSES | | Av. \$ Per Farm | Av. \$ Per Imp. Ac. |
| Machinery | 1,555 | 3.75 | |
| Buildings, wells, fences | 418 | 1.01 | |
| Total depreciation expenses .. | 1,973 | 4.75 | |
| Total farm expenses | 7,054 | 17.00 | |
| NET RETURNS | | | |
| 1963 Crop Yields | | 1947-66 Crop Yields | |
| Av. \$ Per Farm | Av. \$ Per Imp. Ac. | Av. \$ Per Farm | Av. \$ Per Imp. Ac. |
| Total farm income | 13,268 | 9,171 | 22.09 |
| Total farm expenses | 7,054 | 7,054 | 17.00 |
| Return to operator and family for Labor and Capital | 6,214 | 2,117 | 5.10 |
| Return to operator and family Labor | 3,572 | - 525 | - 1.26 |
| Return to Capital | 2,397 | - 1,700 | - 4.09 |

| | |
|---|--|
| Total farm income | |
| Total farm expenses | |
| Return to operator and family for Labor and Capital | |
| Return to operator and family Labor | |
| Return to Capital | |

TABLE 15. - OPERATING STATEMENT FOR 13 GRAIN-CATTLE-HOG FARMS AVERAGING 376 ACRES WITH 290 ACRES IMPROVED ON LOAM SOILS IN THE BLACK (THIN) SOIL ZONE OF THE PRAIRIE PROVINCES, 1965

| FARM CHARACTERISTICS | | | CASH EXPENSES | | |
|--|--------------------|------------------------|--------------------------------|--|--|
| Study Area: Crossfield-Calgary, Alberta. | | | | | |
| Number of Farms: 13 | | | | | |
| Av. Land Use (improved acres): | | | Av. \$ Per Farm | | |
| Wheat 79; Oats 31; Barley 59; Rye 1; | | | Av. \$ Per Imp. Ac. | | |
| Mixed Grains 6; Forages 38; Other 3; Summerfallow 73. | | | | | |
| Av. Acres Improved 290. Av. Total Acres 376. | | | | | |
| Av. Livestock Numbers: | | | | | |
| Cattle 42.7; Hogs 25.4; Poultry 70.1. | | | | | |
| Av. Labor Use (months): | | | | | |
| Hired 0.1; Family 1.3; Operator 10.9; Total 12.3. | | | | | |
| Av. Wheat Yields: 1965, 34.7; 1947-66, 22.4. | | | | | |
| FARM CAPITAL | | | | | |
| | Av. \$ Per Farm | Av. \$ Per Imp. Ac. | | | |
| Land | 27,662 | 95.38 | Crops: | | |
| Buildings | 6,861 | 23.65 | Fertilizer | | |
| Total real estate | 34,523 | 119.04 | Weed sprays | | |
| Machinery and equipment | 8,366 | 28.84 | Seed purchases | | |
| Livestock | 5,694 | 19.63 | Seed treatment | | |
| Total farm capital | 48,583 | 167.52 | Seed cleaning | | |
| | | | Hail insurance | | |
| | | | Machinery: | | |
| | | | Fuel, oil, grease | | |
| | | | Repairs | | |
| | | | License, insurance | | |
| | | | Custom work | | |
| | | | Livestock: | | |
| | | | Purchases | | |
| | | | Feed | | |
| | | | Hay and pasture lease | | |
| | | | Miscellaneous | | |
| | | | Real estate: | | |
| | | | Taxes | | |
| | | | Repairs, upkeep, insurance .. | | |
| | | | Labor and board | | |
| | | | Miscellaneous: | | |
| | | | Electricity | | |
| | | | Telephone | | |
| | | | Hardware | | |
| | | | Other | | |
| | | | Total cash expenses | | |
| | | | | | |
| FARM RECEIPTS | | | DEPRECIATION EXPENSES | | |
| | Av. \$ Per Farm | Av. \$ Per Imp. Ac. | Av. \$ Per Farm | | |
| Cash receipts: | | | Av. \$ Per Imp. Ac. | | |
| Crop sales | 6,278 | 21.64 | Machinery | | |
| Livestock sales | 4,224 | 14.56 | Buildings, wells, fences | | |
| Livestock products sales | 561 | 1.93 | Total depreciation expenses .. | | |
| Custom work | 52 | 0.17 | | | |
| Other farm income | 157 | 0.54 | | | |
| Non-cash receipts: | | | | | |
| Livestock inventory change .. | 172 | 0.59 | Total farm expenses | | |
| Home consumed products | 359 | 1.23 | | | |
| Value of house rent | 594 | 2.04 | | | |
| Total farm receipts | 12,397 | 42.74 | | | |
| | | | | | |
| NET RETURNS | | | | | |
| | | | 1965 Crop Yields | | |
| | | | 1947-66 Crop Yields | | |
| | | | Av. \$ Per Farm | | |
| | | | Av. \$ Per Imp. Ac. | | |
| | | | Av. \$ Per Farm | | |
| | | | Av. \$ Per Imp. Ac. | | |
| Total farm income | 12,397 | 42.74 | 9,323 | | |
| Total farm expenses | 5,615 | 19.36 | 5,615 | | |
| Return to operator and family for Labor and Capital | 6,782 | 23.38 | 3,708 | | |
| Return to operator and family Labor | 4,353 | 15.01 | 1,279 | | |
| Return to Capital | 2,810 | 9.68 | - 264 | | |

TABLE 16. - OPERATING STATEMENT FOR 12 GRAIN-CATTLE-HOG FARMS AVERAGING 883 ACRES WITH 649 ACRES IMPROVED ON LOAM SOILS IN THE BLACK (THIN) SOIL ZONE OF THE PRAIRIE PROVINCES, 1965

| FARM CHARACTERISTICS | | | CASH EXPENSES | | |
|--|--------------------|------------------------|--------------------------------|------------------------|------------------------|
| | Av. \$ Per Farm | Av. \$ Per Imp. Ac. | | Av. \$ Per Farm | Av. \$ Per Imp. Ac. |
| Study Area: Crossfield-Calgary, Alberta. | | | Crops: | | |
| Number of Farms: 12 | | | Fertilizer | 948 | 1.46 |
| Av. Land Use (improved acres): | | | Weed sprays | 71 | 0.11 |
| Wheat 151; Oats 72; Barley 126; Rye 35; | | | Seed purchases | 362 | 0.56 |
| Mixed Grains 1; Forages 96; Summerfallow 168. | | | Seed treatment | 26 | 0.04 |
| Av. Acres Improved 649. Av. Total Acres 883. | | | Seed cleaning | 24 | 0.04 |
| Av. Livestock Numbers: | | | Hail insurance | 58 | 0.09 |
| Cattle 72.7; Hogs 33.0; Poultry 89.6. | | | Machinery: | | |
| Av. Labor Use (months): | | | Fuel, oil, grease | 1,206 | 1.86 |
| Hired 1.5; Family 2.7; Operator 15.4; Total 19.6. | | | Repairs | 747 | 1.15 |
| Av. Wheat Yields: 1965, 34.4; 1947-66, 22.4. | | | License, insurance | 132 | 0.20 |
| | | | Custom work | 258 | 0.40 |
| FARM CAPITAL | | | Livestock: | | |
| | Av. \$ Per Farm | Av. \$ Per Imp. Ac. | Purchases | 1,040 | 1.60 |
| Land | 63,450 | 97.76 | Feed | 645 | 0.99 |
| Buildings | 10,350 | 15.94 | Hay and pasture lease | - | - |
| Total real estate | 73,800 | 113.71 | Miscellaneous | 96 | 0.15 |
| Machinery and equipment | 21,093 | 32.50 | Real estate: | | |
| Livestock | 11,446 | 17.63 | Taxes | 905 | 1.39 |
| Total farm capital | 106,339 | 163.85 | Repairs, upkeep, insurance .. | 244 | 0.38 |
| | | | Labor and board | 391 | 0.60 |
| FARM RECEIPTS | | | Miscellaneous: | | |
| | Av. \$ Per Farm | Av. \$ Per Imp. Ac. | Electricity | 125 | 0.19 |
| Cash receipts: | | | Telephone | 34 | 0.05 |
| Crop sales | 13,889 | 21.40 | Hardware | 79 | 0.12 |
| Livestock sales | 6,477 | 9.97 | Other | 122 | 0.19 |
| Livestock products sales | 597 | 0.91 | Total cash expenses | 7,513 | 11.57 |
| Custom work | 41 | 0.06 | | | |
| Other farm income | 257 | 0.39 | DEPRECIATION EXPENSES | | |
| Non-cash receipts: | | | | Av. \$ Per Farm | Av. \$ Per Imp. Ac. |
| Livestock inventory change .. | 1,127 | 1.74 | Machinery | 3,050 | 4.70 |
| Home consumed products | 371 | 0.57 | Buildings, wells, fences | 530 | 0.82 |
| Value of house rent | 720 | 1.11 | Total depreciation expenses .. | 3,580 | 5.52 |
| Total farm receipts | 23,479 | 36.17 | | | |
| | | | Total farm expenses | 11,093 | 17.09 |
| NET RETURNS | | | | | |
| | 1965 Crop Yields | | 1947-66 Crop Yields | | |
| | Av. \$ Per Farm | Av. \$ Per Imp. Ac. | Av. \$ Per Farm | Av. \$ Per Imp. Ac. | |
| Total farm income | 23,479 | 36.17 | 16,694 | 25.72 | |
| Total farm expenses | 11,093 | 17.09 | 11,093 | 17.09 | |
| Return to operator and family for Labor and Capital | 12,386 | 19.08 | 5,601 | 8.63 | |
| Return to operator and family Labor | 7,069 | 10.89 | 284 | 0.44 | |
| Return to Capital | 7,259 | 11.18 | 474 | 0.73 | |

| | |
|--|--|
| Total farm income | |
| Total farm expenses | |
| Return to operator and family for Labor and Capital | |
| Return to operator and family Labor | |
| Return to Capital | |

TABLE 18. - OPERATING STATEMENT FOR 26 GRAIN-CATTLE-HOG FARMS AVERAGING 160 ACRES WITH 120 ACRES IMPROVED ON LOAM SOILS IN THE BLACK (DEGRADED) SOIL ZONE OF THE PRAIRIE PROVINCES, 1960

| FARM CHARACTERISTICS | | CASH EXPENSES | |
|---|--------------------|------------------------|------------------------|
| | | Av. \$ Per Farm | Av. \$ Per Imp. Ac. |
| Study Area: Barrhead, Alberta. | | | |
| Number of Farms: 26 | | | |
| Av. Land Use (improved acres): | | | |
| Wheat 7; Oats 24; Barley 30; Mixed Grains 5; | | | |
| Forages 36; Other 5; Summerfallow 13. | | | |
| Av. Acres Improved 120. Av. Total Acres 160. | | | |
| Av. Livestock Numbers: | | | |
| Cattle 17.3; Hogs 26.7; Sheep 4.0; Poultry 88.5. | | | |
| Av. Labor Use (months): | | | |
| Hired 0.2; Family 2.6; Operator 11.0; Total 13.8. | | | |
| Av. Wheat Yields: 1960, 14.5; 1947-66, 20.8. | | | |
| FARM CAPITAL | | | |
| | Av. \$ Per Farm | Av. \$ Per Imp. Ac. | |
| Land | 6,034 | 50.29 | |
| Buildings | 2,458 | 20.48 | |
| Total real estate | 8,492 | 70.77 | |
| Machinery and equipment | 3,510 | 29.25 | |
| Livestock | 2,542 | 21.18 | |
| Total farm capital | 14,544 | 121.20 | |
| FARM RECEIPTS | | | |
| | Av. \$ Per Farm | Av. \$ Per Imp. Ac. | |
| Cash receipts: | | | |
| Crop sales | - 411 | - 3.42 | |
| Livestock sales | 1,903 | 15.86 | |
| Livestock products sales ... | 745 | 6.21 | |
| Custom work | 18 | 0.15 | |
| Other farm income | 140 | 1.17 | |
| Non-cash receipts: | | | |
| Livestock inventory change . | 256 | 2.13 | |
| Home consumed products | 460 | 3.83 | |
| Value of house rent | 245 | 2.04 | |
| Total farm receipts | 3,356 | 27.97 | |
| CROPS | | | |
| Fertilizer | 6 | 0.05 | |
| Weed sprays | 5 | 0.04 | |
| Seed purchases | 35 | 0.29 | |
| Seed treatment | 1 | 0.01 | |
| Seed cleaning | - | - | |
| Hail insurance | - | - | |
| Machinery: | | | |
| Fuel, oil, grease | 257 | 2.14 | |
| Repairs | 179 | 1.49 | |
| License, insurance | 28 | 0.23 | |
| Custom work | 73 | 0.61 | |
| Livestock: | | | |
| Purchases | 189 | 1.58 | |
| Feed | 149 | 1.24 | |
| Hay and pasture lease | - | - | |
| Miscellaneous | 22 | 0.18 | |
| Real estate: | | | |
| Taxes | 137 | 1.14 | |
| Repairs, upkeep, insurance . | 50 | 0.42 | |
| Labor and board | 45 | 0.38 | |
| Miscellaneous: | | | |
| Electricity | 24 | 0.20 | |
| Telephone | 3 | 0.02 | |
| Hardware | 38 | 0.32 | |
| Other | 18 | 0.15 | |
| Total cash expenses | 1,259 | 10.49 | |
| DEPRECIATION EXPENSES | | | |
| | Av. \$ Per Farm | Av. \$ Per Imp. Ac. | |
| Machinery | 459 | 3.83 | |
| Buildings, wells, fences | 167 | 1.39 | |
| Total depreciation expenses . | 626 | 5.22 | |
| Total farm expenses | 1,885 | 15.71 | |
| NET RETURNS | | | |
| | 1960 Crop Yields | 1947-66 Crop Yields | |
| | Av. \$ Per Farm | Av. \$ Per Imp. Ac. | Av. \$ Per Farm |
| Total farm income | 3,356 | 27.97 | 3,807 |
| Total farm expenses | 1,885 | 15.71 | 1,885 |
| Return to operator and family for Labor and Capital | 1,471 | 12.26 | 1,922 |
| Return to operator and family Labor | 744 | 6.20 | 1,195 |
| Return to Capital | - 1,220 | - 10.17 | - 769 |

TABLE 19. - OPERATING STATEMENT FOR 29 GRAIN-CATTLE-HOG FARMS AVERAGING 315 ACRES WITH 191 ACRES IMPROVED ON LOAM SOILS IN THE BLACK (DEGRADED) SOIL ZONE OF THE PRAIRIE PROVINCES, 1960

| FARM CHARACTERISTICS | | | CASH EXPENSES | | |
|--|--------------------|------------------------|-------------------------------|------------------------|------------------------|
| | Av. \$ Per Farm | Av. \$ Per Imp. Ac. | | Av. \$ Per Farm | Av. \$ Per Imp. Ac. |
| Study Area: Barrhead, Alberta. | | | Crops: | | |
| Number of Farms: 29 | | | Fertilizer | 29 | 0.15 |
| Av. Land Use (improved acres): | | | Weed sprays | 9 | 0.05 |
| Wheat 12; Oats 23; Barley 63; Mixed Grains 7; | | | Seed purchases | 51 | 0.27 |
| Forages 57; Other 5; Summerfallow 24. | | | Seed treatment | 2 | 0.01 |
| Av. Acres Improved 191. Av. Total Acres 315. | | | Seed cleaning | 2 | 0.01 |
| Av. Livestock Numbers: | | | Hail insurance | - | - |
| Cattle 24.6; Hogs 41.4; Sheep 0.7; Poultry 137.9. | | | Machinery: | | |
| Av. Labor Use (months): | | | Fuel, oil, grease | 314 | 1.64 |
| Hired 0.2; Family 2.3; Operator 11.6; Total 14.1. | | | Repairs | 237 | 1.24 |
| Av. Wheat Yields: 1960, 16.8; 1947-66, 20.8. | | | License, insurance | 36 | 0.19 |
| | | | Custom work | 83 | 0.43 |
| FARM CAPITAL | | | Livestock: | | |
| | Av. \$ Per Farm | Av. \$ Per Imp. Ac. | Purchases | 216 | 1.13 |
| Land | 9,348 | 48.94 | Feed | 132 | 0.69 |
| Buildings | 3,290 | 17.23 | Hay and pasture lease | - | - |
| Total real estate | 12,638 | 66.17 | Miscellaneous | 39 | 0.20 |
| Machinery and equipment | 5,971 | 31.26 | Real estate: | | |
| Livestock | 3,914 | 20.49 | Taxes | 203 | 1.06 |
| Total farm capital | 22,523 | 117.92 | Repairs, upkeep, insurance . | 104 | 0.54 |
| | | | Labor and board | 53 | 0.28 |
| FARM RECEIPTS | | | Miscellaneous: | | |
| | Av. \$ Per Farm | Av. \$ Per Imp. Ac. | Electricity | 32 | 0.17 |
| Cash receipts: | | | Telephone | 3 | 0.02 |
| Crop sales | - 57 | - 0.30 | Hardware | 48 | 0.25 |
| Livestock sales | 2,418 | 12.66 | Other | 30 | 0.16 |
| Livestock products sales ... | 1,101 | 5.76 | Total cash expenses | 1,623 | 8.50 |
| Custom work | 7 | 0.04 | | | |
| Other farm income | 193 | 1.01 | DEPRECIATION EXPENSES | | |
| Non-cash receipts: | | | | Av. \$ Per Farm | Av. \$ Per Imp. Ac. |
| Livestock inventory change . | 571 | 2.98 | Machinery | 830 | 4.35 |
| Home consumed products | 442 | 2.31 | Buildings, wells, fences | 259 | 1.36 |
| Value of house rent | 377 | 1.97 | Total depreciation expenses . | 1,089 | 5.71 |
| Total farm receipts | 5,052 | 26.45 | | | |
| | | | Total farm expenses | | |
| | | | | 2,712 | 14.20 |
| NET RETURNS | | | | | |
| | 1960 Crop Yields | | 1947-66 Crop Yields | | |
| | Av. \$ Per Farm | Av. \$ Per Imp. Ac. | Av. \$ Per Farm | Av. \$ Per Imp. Ac. | |
| Total farm income | 5,052 | 26.45 | 5,234 | 27.40 | |
| Total farm expenses | 2,712 | 14.20 | 2,712 | 14.20 | |
| Return to operator and family for Labor and Capital | 2,340 | 12.25 | 2,522 | 13.20 | |
| Return to operator and family Labor | 1,214 | 6.36 | 1,396 | 7.31 | |
| Return to Capital | - 510 | - 2.67 | - 328 | - 1.72 | |

TABLE 20. - OPERATING STATEMENT FOR 19 GRAIN-CATTLE-HOG FARMS AVERAGING 562 ACRES WITH 373 ACRES IMPROVED ON LOAM SOILS IN THE BLACK (DEGRADED) SOIL ZONE OF THE PRAIRIE PROVINCES, 1961

| FARM CHARACTERISTICS | | | CASH EXPENSES | | |
|--|--------------------|------------------------|--------------------------------|------------------------|------------------------|
| | Av. \$ Per Farm | Av. \$ Per Imp. Ac. | | Av. \$ Per Farm | Av. \$ Per Imp. Ac. |
| Study Area: Barrhead, Alberta. | | | Crops: | | |
| Number of Farms: 19 | | | Fertilizer | 198 | 0.53 |
| Av. Land Use (improved acres): | | | Weed sprays | 30 | 0.08 |
| Wheat 46; Oats 40; Barley 94; Flax 1; | | | Seed purchases | 158 | 0.42 |
| Mixed Grains 8; Forages 123; Other 13; Summerfallow 48. | | | Seed treatment | 12 | 0.03 |
| Av. Acres Improved 373. Av. Total Acres 562. | | | Seed cleaning | 16 | 0.04 |
| Av. Livestock Numbers: | | | Hail insurance | 12 | 0.03 |
| Cattle 56.4; Hogs 69.6; Sheep 0.5; Poultry 28.0. | | | Machinery: | | |
| Av. Labor Use (months): | | | Fuel, oil, grease | 678 | 1.82 |
| Hired 0.9; Family 9.5; Operator 12.6; Total 23.0. | | | Repairs | 807 | 2.16 |
| Av. Wheat Yields: 1961, 33.0; 1947-66, 20.8. | | | License, insurance | 82 | 0.22 |
| | | | Custom work | 329 | 0.88 |
| FARM CAPITAL | | | Livestock: | | |
| | Av. \$ Per Farm | Av. \$ Per Imp. Ac. | Purchases | 1,319 | 3.54 |
| Land | 23,053 | 61.80 | Feed | 683 | 1.83 |
| Buildings | 7,789 | 20.82 | Hay and pasture lease | 11 | 0.03 |
| Total real estate | 30,842 | 82.69 | Miscellaneous | 126 | 0.34 |
| Machinery and equipment | 10,222 | 27.40 | Real estate: | | |
| Livestock | 8,268 | 22.17 | Taxes | 415 | 1.11 |
| Total farm capital | 49,332 | 132.26 | Repairs, upkeep, insurance .. | 105 | 0.28 |
| | | | Labor and board | 124 | 0.33 |
| FARM RECEIPTS | | | Miscellaneous: | | |
| | Av. \$ Per Farm | Av. \$ Per Imp. Ac. | Electricity | 58 | 0.16 |
| Cash receipts: | | | Telephone | 10 | 0.03 |
| Crop sales | 4,123 | 11.05 | Hardware | 81 | 0.22 |
| Livestock sales | 4,536 | 12.16 | Other | 174 | 0.47 |
| Livestock products sales | 2,104 | 5.64 | Total cash expenses | 5,428 | 14.55 |
| Custom work | 158 | 0.42 | | | |
| Other farm income | 201 | 0.54 | DEPRECIATION EXPENSES | | |
| Non-cash receipts: | | | | Av. \$ Per Farm | Av. \$ Per Imp. Ac. |
| Livestock inventory change .. | 2,229 | 5.98 | Machinery | 1,435 | 3.85 |
| Home consumed products | 454 | 1.22 | Buildings, wells, fences | 384 | 1.03 |
| Value of house rent | 464 | 1.24 | Total depreciation expenses .. | 1,819 | 4.88 |
| Total farm receipts | 14,269 | 38.25 | | | |
| | | | Total farm expenses | | |
| | | | | 7,247 | 19.43 |
| NET RETURNS | | | | | |
| | 1961 Crop Yields | | 1947-66 Crop Yields | | |
| | Av. \$ Per Farm | Av. \$ Per Imp. Ac. | Av. \$ Per Farm | Av. \$ Per Imp. Ac. | |
| Total farm income | 14,269 | 38.25 | 11,087 | 29.73 | |
| Total farm expenses | 7,247 | 19.43 | 7,247 | 19.43 | |
| Return to operator and family for Labor and Capital | 7,022 | 18.83 | 3,840 | 10.29 | |
| Return to operator and family Labor | 4,555 | 12.21 | 1,373 | 3.68 | |
| Return to Capital | 3,515 | 9.42 | 333 | 0.89 | |

| | |
|---|--|
| Total farm income | |
| Total farm expenses | |
| Return to operator and family for Labor and Capital | |
| Return to operator and family Labor | |
| Return to Capital | |

